

Date: Fri, 14 May 93 13:30:16 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #582
To: Info-Hams

Info-Hams Digest Fri, 14 May 93 Volume 93 : Issue 582

Today's Topics:

 All inclusive 741 manual. Where is it?
 AMTOR question
 Armed Forces Radio Day??
 CFV to reorganize this group
 Full coverage mod for the Icom 728
 G5RV
 G5RV antenna
 Get a Ham Radio License - Study Books for SALE:
 How's a Honda Accord w/50W VHF?
 How do I adjust J-Pole SWR? (2 msgs)
 Mod question for Kenwood TM741
 Problems using gamma match on 440 Mhz
 question about Radio Shack 2-MTR HT
 What is WARC?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 May 93 14:45:52 GMT
From: ogicse!emory!gatech!prism!ccoprfr@network.UCSD.EDU
Subject: All inclusive 741 manual. Where is it?
To: info-hams@ucsd.edu

Hello,

 Some months ago, some people started talking about writing a 'be-all end-all
manual' for the Kenwood 741. I was just wondering what ever happened to the

project. Anyone heard anything about it?

I've sent mail to the person who was supposed to be compiling this manual, but have not gotten any response.

I'm still VERY interested in getting a copy of this, so if anyone has any information I'd appreciate hearing it....

Thanks & 73,

Monte - KC4GPW

--

Monte Freeman -- Operations Department / Information Technology
Georgia Institute of Technology, Atlanta Georgia, 30332
Internet: ccoprfm@prism.gatech.edu
Bitnet: ccoprfm@gitvm1.bitnet

Date: 14 May 93 11:04:59 GMT
From: ogicse!emory!gatech!howland.reston.ans.net!usenet.ins.cwru.edu!
magnus.acs.ohio-state.edu!wvanhorn@network.UCSD.EDU
Subject: AMTOR question
To: info-hams@ucsd.edu

Dear Rob:

The "AMTOR" with long-duration (approx 1 second) bursts that you heard is PACTOR.

Pactor is a mode invented about 3 years ago in Germany, now widely available in the USA. For the user it is very similar to AMTOR but with several advantages that make it considerably more pleasant to use. If you have the PK-232MBX, you can get PACTOR by simply buying the new "firmware" from AEA for \$85.00. It comes on two ROM chips which you plug in to replace of the existing ROM chips in your TNC. If you don't have the "-MBX" model, you must also upgrade with that modification, as well.

Contact AEA for full information. Users of TNC's from other manufacturers can probably upgrade theirs, also.

73, Van - W8UOF
wvanhorn@magnus.acs.ohio-state.edu

Date: 14 May 93 15:05:04 GMT
From: ogicse!emory!europa.eng.gtefsd.com!darwin.sura.net!haven.umd.edu!cville-srv.wam.umd.edu!ham@network.UCSD.EDU
Subject: Armed Forces Radio Day??
To: info-hams@ucsd.edu

I remember seeing something about this weekend being "Armed Forces Radio Day," during which contacts with amateurs is permitted thru cross-band operation. Does anyone have this article, or know where I can get at it?

Scott NF3I

— —

73,

Scott Rosenfeld	Amateur Radio NF3I	Burtonsville, MD	Live
-----------------	--------------------	------------------	------

WAC CW/SSB WAS 84% of the way to DXCC _____| Dipoles!

Date: 13 May 93 13:52:17 CDT
From: timbuk.cray.com!hemlock.cray.com!cherry10!dadams@uunet.uu.net
Subject: CFV to reorganize this group
To: info-hams@ucsd.edu

```
In article 1stqqgINNk8q@mojo.eng.umd.edu, chuck@eng.umd.edu (Chuck Harris -
WA3UQV) writes:
|In article <f0zC03YNd1Wm00@amdahl.uts.amdahl.com> ikluft@uts.amdahl.com (Ian
Kluft) writes:
|>Please reserve your "no" votes only for groups that you think have some sort
|>of serious problems. After all, someone else had to argue very hard to gain
|>the support of others to get it on the proposal. And, who knows, that person
|>may be supporting the newsgroups you want.
|
|Bad idea! Abstaining on a vote is the same as a "yes" vote. Since SOMEONE
|wanted the group, or it wouldn't be on the ballot. Abstaining is how we
|get these groups that pass with 6 "yes" votes, and 0 "no" votes (and 40,000
|abstentions)
|
```

The requirements are "twice as many yes votes as no votes AND 100 more yes votes than no votes." There has been talk about making these requirements more stringent, but apparently nothing has come of this?

Hence 6 to 0 will not pass. Never has.

|Vote NO for any group that you don't want to vote YES for! We have too many
|unused newsgroups already.

Well, that is the standard objection. I wouldn't go so far as to say that
an abstention == yes. It actually takes quite a bit of momentum to get a
group going, and not nearly so much to kill one that would be created.

Groups that fail must wait at least 6 months before making another attempt.

In my experience, the best way to organize the drive to create a new group
is to create a mailing list first. Then when you have collected the
votes, begin the RFD process.

|
|-----
|Chuck Harris - WA3UQV
|chuck@eng.umd.edu

--David C. Adams Statistician Cray Research Inc. dadams@cray.com

Old cowboys never die. They just smell that way!

Date: 14 May 93 14:22:49 GMT
From: ogicse!das-news.harvard.edu!noc.near.net!squam.banyan.com!banyan.com!
dts@network.UCSD.EDU
Subject: Full coverage mod for the Icom 728
To: info-hams@ucsd.edu

Date: 14 May 93 07:02:35 GMT
From: ogicse!emory!swrinde!zaphod.mps.ohio-state.edu!moe.ksu.ksu.edu!
crcnis1.unl.edu!mcduffie@network.UCSD.EDU
Subject: G5RV
To: info-hams@ucsd.edu

n2gj@phsbbs.princeton.nj.us (Gerry Jurrens) writes:

>I use one and it's worked well. Mine is exactly like the one in the ARRL

>Antenna book, though I use Teflon (tm) coated wire. I feed it with 450
>ohm twin-lead ladder line, and paste that to buried RG-8 type coax to my
>shack. It works with the automatic antenna tuner in my TS-44S/AT. I
>have worked many countries around the world with it (and 100 watts) and
>have the absolutely loudest signal on the NJ Phone Net (3.950 at 6PM
>Eastern Time) every nite! Ask anyone!

>

>I don't know why it works either, but as a compromise antenna, it can't
>be beat. There have been MANY articles written about it, and many
>derivative designs (the doublet and Carolina Windom are related) but I
>swear by mine. Sure, I'd rather have a Yagi or a quad, but for a few
>bucks and ease of installation/repair it's great.

>

>Best 73 to all!

>

>Gerry

Gerry,

I also use a G5RV with very good results on the low bands. Mine is
double sized, because I wanted it to work well on 160 and didn't care
much about what it did on the higher ones. The wires are 104' per side
and fed with double length 450 ohm ladder line. I defy all the advice
in the books/articles to get it into the house though. I use a Radio
Works Balun just outside the shack window and feed it with 16 feet of
9913 coax (just what was handy). The texts all say to use a minimum of
xx feet of coax and most say not to use a balun. I used just what it
took to get it to the antenna switch. The 440 tunes it great and the
signal on 160 and 75 meters gets plenty of attention (160 requires an
external tuner since the one in the 440 won't cover that band).
Performance on 40 meters is fine but it is poor on 20. By the way, the
wire is in inverted vee configuration and is 40 feet in the center and
3-6 feet from the ground on the ends.

I would highly recommend a G5RV to anyone.

73, Gary

Gary McDuffie, Sr. // ---o-----\./-----o---
Scottsbluff, Nebraska \\ // mcduffie@unl.edu ---o----/T\-----o---
AG0N@AG0N.#WNE.NE.USA.NA \X/ _____|

Date: 13 May 1993 16:15:48 -0500

From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!

gerald@cc.utexas.edu!emx.cc.utexas.edu!not-for-mail@network.UCSD.EDU

Subject: G5RV antenna
To: info-hams@ucsd.edu

With all the posts on G5RVs, does anyone know what a G40T Special is?
I was reading a letter from a G3 who is no longer alive and he referred to "... a full size G5RV, although I confuse people by calling it a G40T Special, which it was known as before G5RV wrote up the explanation of how it worked, and assumed credit for it". I don't think he can be sued for libel, "being dead 'n all".

Derek Wills (AA5BT, G3NMX)
Department of Astronomy, University of Texas,
Austin TX 78712. (512-471-1392)
oo7@astro.as.utexas.edu

Date: 14 May 93 15:12:19 GMT
From: netcomsv!attain!icd.teradyne.com!news@decwrl.dec.com
Subject: Get a Ham Radio License - Study Books for SALE:
To: info-hams@ucsd.edu

In article <1993May12.030044.170466@zeus.calpoly.edu>
trasmuss@hertz.elee.calpoly.edu (Thor Rasmussen) writes:
-The Cal Poly Amateur Radio Club has approximately 25 new and unused copies of
-the ham radio study book "Now You're Talking".
-We have significantly reduced the price of these to \$7.00 a copy. (plus \$2.50
-for postage and envelope coverage)

Are these the old (yellow cover) ones or the new (blue) ones? The
question pool for both Novice and Tech is changing 7/1. (Even if these are
the old ones, they are still usable; the theory hasn't changed, and the
new question pools are available from info@arrl.org)

/mike

--

\\ Michael L. Ardai N1IST Teradyne ATG Boston

/\\ ardai@maven.dnet.teradyne.com

Date: 14 May 93 14:20:48 GMT
From: ogicse!das-news.harvard.edu!noc.near.net!squam.banyan.com!banyan.com!
dts@network.UCSD.EDU
Subject: How's a Honda Accord w/50W VHF?
To: info-hams@ucsd.edu

In article <1993May14.122151.27893@b17news.b17a.ingr.com>,
gjmontll@monty.b17b.ingr.com (Greg Montllor) writes:

|> In article <C6tEG0.BLK@cup.hp.com>, genem@cup.hp.com (Gene Marshall) writes:
|> |>

|> |> I was wondering if anyone had a feel for the amount of RF the Accord
|> |> could withstand.

|>

|> I have a 88 Accord LX and have been running 200 watts input power on 20m SSB
|> for over 5 years without any indication of interference to the car's systems.
|> This is with a standard Hustler antenna mounted on the left rear fender, and
|> with power leads directly to the battery.

Do you receive any interference FROM the car on your SSB setup? That's where my
complaints are with honda. They seem to have shielded the car from RECEIVING
interference, but are totally unconcerned about being mobile noise sources...

|>

|> (My only VHF operation has been with a HT, to a mag mount or with the
rubberduck;

|> again, no problems.)

We found that operating with HTs from the car was not a problem. Switching to a
mobile rig with a nice sensitive front end picked up lots of noise from the car.

|>

|> Greg AC4WF

|> --

|> Gregory Montllor Mapping Sciences / System Integration & Implementation
|> mailstop IW17B4 Intergraph Corp. Huntsville, Alabama 35894-0001
|> (205) 730-7249 email: gjmontll@monty.b17b.ingr.com

--

Daniel Senie Internet: dts@banyan.com
Banyan Systems, Inc. CompuServe: 74176,1347
508-898-1188 Packet Radio: N1JEB@WA1PHY.MA

Date: 14 May 93 04:30:43 GMT
From: ogicse!uwm.edu!ux1.cso.uiuc.edu!moe.ksu.ksu.edu!osuunx.ucc.okstate.edu!
olesun!gcouger@network.UCSD.EDU
Subject: How do I adjust J-Pole SWR?
To: info-hams@ucsd.edu

In article <1subveINNri9@emx.cc.utexas.edu> tbutterf@emx.cc.utexas.edu (Jeff
Butterfield) writes:

>In article <1su6ksINNnka@mojo.eng.umd.edu> mebly@eng.umd.edu (Mark E. Bailey)
writes:

>>

>> "How do I adjust the antenna for minimum SWR?"

>>

>[1] You need an SWR meter capable of working on the desired frequency. You could
also use a wattmeter or alike....

>

>[2] J-Poles are typically shorted at the base and you feed them up from this
>short [anywhere from 1 1/4-1 1/2"]. To tune the j-pole for min. SWR you need
>to adjust this feedpoint. I am a little sloppy and like to hold the center
>conductor of the coax to the antenna and move it until I get a good SWR. When
>I find the sweet-spot I attach it permanently. Any variation after soldering
>the coax to the antenna tends to be minimal.

>

A method I have found very effective is to use a loop of wire on the end
of the coax and tape it tightly to the shorted end of the jpole.

The total length of the wire used to make the loop is 13 inches. I read in
hints and kinks in QST and do not remember the ham's name that described it. I
have used it with twinlead jpoles and pipe jpoles for the twinlead j's
solder on end of a piece of twinlead to the end of the coax. Measure off 7
inches from the coax and cut the twinlead. Strip the twinlead back 1/2 inch
twist the two ends together and solder. I wrap the coax connection with tape to
insulate it from the shorted end of the j-pole and then tape the loop to the
bottom of the jpole.

Good luck

Gordon AB5Dg

Gordon Couger

Agriculture Engineering Oklahoma State University

114 Ag Hall, Stillwater, OK 74074

gcouger@okstate.edu 405-744-9763 day 624-2855 evenings

Date: 13 May 1993 15:44:30 -0500

From: elroy.jpl.nasa.gov!usc!cs.utexas.edu!gerald@cc.utexas.edu!

emx.cc.utexas.edu!not-for-mail@decwrl.dec.com

Subject: How do I adjust J-Pole SWR?

To: info-hams@ucsd.edu

In article <1su6ksINNnka@mojo.eng.umd.edu> mebly@eng.umd.edu (Mark E. Bailey)
writes:

>

> "How do I adjust the antenna for minimum SWR?"

>

[1] You need an SWR meter capable of working on the desired frequency. You could

also use a wattmeter or alike....

[2] J-Poles are typically shorted at the base and you feed them up from this short [anywhere from 1 1/4-1 1/2"]. To tune the j-pole for min. SWR you need to adjust this feedpoint. I am a little sloppy and like to hold the center conductor of the coax to the antenna and move it until I get a good SWR. When I find the sweet-spot I attach it permanently. Any variation after soldering the coax to the antenna tends to be minimal.

Date: 14 May 93 14:19:51 GMT
From: decrcrl!news.crl.dec.com!dbased.nuo.dec.com!smoken.enet.dec.com!
brunelle@decwrl.dec.com
Subject: Mod question for Kenwood TM741
To: info-hams@ucsd.edu

Greetings fellow readers,

I am currently looking at performing a MOD to my Kenwood
TM-741A, for cross band repeat.

The mod that I am looking at performing came from a
modification book. It states the following...

1. Open Unit, and locate the Control Board.
2. Locate and cut the green wire on the control board.
The control board is on the body of the radio. The
GREEN wire is located towards the left edge of the
board.
3. Locate and cut resistor R58. R58 is blue colored
and located on the control board.
4. Close Unit.

Has anyone else performed this mod ? And if so, does this
sound right ?

Thanks and 73,
John / KA1FYB

* "Opinions or Expression are mine, and not my employers" *
* *

* John Brunelle Call: KA1FYB *

* Digital Equipment Corp. AX25 Packet: KA1FYB @ KB4N.NH.USA.NA *

* Salem, New Hampshire Internet: brunelle@smoken.enet.dec.com *

Date: 14 May 93 14:41:17 GMT

From: ogicse!uwm.edu!zaphod.mps.ohio-state.edu!darwin.sura.net!udel!gvls1!
rossi@network.UCSD.EDU

Subject: Problems using gamma match on 440 Mhz

To: info-hams@ucsd.edu

I have an old 20-element Cushcraft 70 cm crossed yagi (OSCAR) from the late 70's that uses a gamma match. I don't think their current models are like this.

Anyway, I could never get the thing tuned properly. The best I could get was about a about 2:1 SWR across most of the band. It seemed to work only "fair" at best.

I am currently not active on OSCAR so I removed one set of elements from the boom and figured I could used it as a single 10-element yagi for 440 FM.

Again, I can not get the SWR much better than about 2:1 from 440-450 MHz. It seems to drop very slightly near the top end of the band. It does seem to have a reasonable amount of gain over a groundplane and appears to be acting like a yagi should but the high SWR bothers me (and the transmitter) a little. Nothing I do seems to be able to lower it.

I remember hearing somewhere that there are supposed to be all kinds of problems using a gamma match on 440. Is appears to be true in my case. I have used a gamma match on 2 meters and it works great. Any suggestions of a simple match I could use that might work better on 440? I would like to keep the driven element mounting configuration the same - if possible.

=====

Pete Rossi - WA3NNA rossi@VFL.Paramax.COM

Paramax Systems Corporation - a Unisys Company
Valley Forge Engineering Center - Paoli, Pennsylvania

=====

Date: 14 May 93 12:10:40 GMT

From: concert!samba!usenet@decwrl.dec.com

Subject: question about Radio Shack 2-MTR HT

To: info-hams@ucsd.edu

In article <VBREULT.93May13133531@rinhp750.gmr.com> vbreault@rinhp750.gmr.com (Val Breault) writes:

>In article <9305121559.AA00688@ginzo.wellfleet> ginsburg@wellfleet.COM (Scott Ginsburg) writes:

>

> I recently purchased a Radio Shack HTX-202 HT... <RFI stuff deleted>

>

>I believe they will be on sale for ~\$200.00 soon. It will be a short
>duration sale (a few days). If you bought the radio within the last
>couple of weeks then I believe you ought to see your RS store manager
>and ask for a price adjustment.

>

>It's a fine radio at its regular price and a great bargain at \$200.00.
Most RS stores have a 30 day "no good reason" refund policy. So take
yours back, get a refund and buy the unit on sale. That's the American
Way, right :-)

>--

>Val Breault - N80EF - vbreault@gmr.com \ /|
>Instrumentation dept GM NAO R&D Center \ / |
>My opinions are not necessarily those of \ /__|
>GMR nor of the General Motors Corporation \ / |___

--

The opinions expressed are not necessarily those of the University of
North Carolina at Chapel Hill, the Campus Office for Information
Technology, or the Experimental Bulletin Board Service.
internet: laUNCHpad.unc.edu or 152.2.22.80

Date: Thu, 13 May 1993 20:57:22 GMT

From: spsgate!mogate!newsgate!uunet@uunet.uu.net

Subject: What is WARC?

To: info-hams@ucsd.edu

In article <1993May13.090630.29682@hemlock.cray.com> dadams@cray.com
(David Adams) writes:

> What does WARC stand for? What are the WARC bands?

> ...

I think it's World Administrative Radio Conference (Convention?
Committee?). Anyway, it's the international body that meets periodically
to try to agree on world-wide use of the radio spectrum. I think it's
under the auspices of the ITU (International Telecommunications Union)
which is part of the United Nations. The so-called WARC bands are the 30M,

17M, and 12M bands. They were allocated to amateur radio use in one of the WARC meetings (1979?). The most recent meeting was held last year in Spain.

73... Mark AA7TA

Date: 14 May 93 13:07:19 GMT
From: ogicse!emory!europa.eng.gtefsd.com!gatech!kd4nc!ke4zv!gary@network.UCSD.EDU
To: info-hams@ucsd.edu

References <199305111744.AA01742@cardamom.unx.sas.com>,
<1993May12.063027.15378@ke4zv.uucp>, <2299@indep1.UUCP>
Reply-To : gary@ke4zv.UUCP (Gary Coffman)
Subject : Re: Going about building your first transceiver??

In article <2299@indep1.UUCP> clifto@indep1.UUCP (Cliff Sharp) writes:
>In article <1993May12.063027.15378@ke4zv.uucp> gary@ke4zv.UUCP (Gary Coffman)
writes:

>:
>:If you'd rather build solid state on circuit board, there are a number of
>:designs available in the 1 to 5 watt range that have appeared in QST and
>:elsewhere. FAR Circuits among others offers bare boards. Solid state is less
>:forgiving of errors than tubes, with a single slip meaning new devices, but
>:the low voltages are safer for the novice builder. Once you get into higher
>:power, the high currents used in solid state rigs can be hazardous however.
>
> Not sure what you mean here. I'd gladly jump out of a swimming pool and
>grab my 12V, 800A car battery, one terminal in each hand; but I wouldn't
>grab the screen grid of a pentode for all the tea in China, much less rub
>the plate cap of a power output tube. I assume you mean "use fuses
>liberally", or "use a prebuilt power supply with current limiting to avoid
>smoke".

Yeah, but don't get your metal watch band, or a ring, across that 12 volt
800 amp supply!!! I was working on a project one night and spotted the
trouble, a poor solder joint. I grabbed the grounded tip iron out of the
solder station and started to resolder the joint. POW! I was left holding
a nub of an iron as the 12 volts was direct shorted. You tend to forget
the power is on when it's "only" 12 volts. Don't!

> I'm SO glad to see someone ambitious enough to even attempt to brew his
>own gear, even if he doesn't intend to use it forever. If he can get past
>the beating-his-head-against-the-wall-figuring-out-why-it-doesn't-work
>stage, he'll find the sense of accomplishment is incomparable. Reminds me
>of a guy I know who, after a REAL troubleshooting accomplishment, actually
>ran out of the work cubicle, beat his fists on his chest and YELLED to the

>entire factory, "I'm Superman!!!"

I've had that feeling a number of times, it's wonderful to finally beat a dog problem. It's a real AHA! experience.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

Date: 13 May 1993 22:44:10 GMT

From: mvb.saic.com!unogate!news.service.uci.edu!usc!cs.utexas.edu!tamsun.tamu.edu!
cs.tamu.edu!kurt@network.UCSD.EDU

To: info-hams@ucsd.edu

References <2288@indep1.UUCP>, <1sr28j\$fid@tamsun.tamu.edu>,

<C6x802.HAW@murdoch.acc.Virginia.EDU>

Subject : Re: Need for foul language?

In article <C6x802.HAW@murdoch.acc.Virginia.EDU>, jeg7e@livia.acs.Virginia.EDU
(Jon Gefaell) writes:

|>

|> Fools, you're all fools.

Perhaps so, but some of us are having fun....

--

Kurt Freiburger, wb5bbw kurt@cs.tamu.edu 409/847-8607 fax:409/847-8578
Dept. of Computer Science, Texas A&M University DoD #264: BMW R80/7 pilot
"We preserve our freedom using three boxes: ballot, jury, and cartridge."

*** Not an official document of Texas A&M University ***

Date: (null)

From: (null)

--

Daniel Senie	Internet:	dts@banyan.com
Banyan Systems, Inc.	Compuserve:	74176,1347
508-898-1188	Packet Radio:	N1JEB@WA1PHY.MA

End of Info-Hams Digest V93 #582
